

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CH2005/000050

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B23P11/00 F01L1/047 F16H53/02 B21D53/84 F16D1/072

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23P F01L B21D F16H F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/012262 A (THYSSENKRUPP PRESTA AG;) 13 February 2003 (2003-02-13) cited in the application	1,2,5,6
Y	the whole document	3,4, 7-15,19
A		16-18, 20-22
X	GB 2 187 405 A (GKN TECHNOLOGY LIMITED) 9 September 1987 (1987-09-09)	1
Y	page 1, line 92 - line 97 page 2, line 8 - line 38	15,19
A	claim 1; figures	2-14, 16-18, 20-22
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

13/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 598 631 A (UMEZAWA ET AL) 4 February 1997 (1997-02-04) cited in the application	3,4
A	column 2, line 6 - line 13; figures 1-9	16,17
Y	WO 01/98020 A (MERZ, KARL) 27 December 2001 (2001-12-27) cited in the application	7-13
A	claims; figures	1,12,13, 18,20-22
Y	WO 02/100588 A (MERZ, KARL) 19 December 2002 (2002-12-19) cited in the application	14
A	page 7, line 17 - page 9, line 9; claims 1,2; figures 4,6	1,10-13, 15
A	DE 29 22 509 A1 (MANNE SMANN AG) 4 December 1980 (1980-12-04) page 5, line 21 - page 6, last line ; claims; figures	1,15
A	US 6 182 361 B1 (COX ALLAN D ET AL) 6 February 2001 (2001-02-06) claims; figures	1,15
A	GB 2 290 599 A (T & N TECHNOLOGY LIMITED) 3 January 1996 (1996-01-03) abstract; claims; figures	1,15

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Information on patent family members

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